



PPH Extruded Profiles

Bay Plastics Datasheet

Property	Test Method	Unit	Value
Specific gravity	ISO 1183	g/cm ³	0.91
Water absorption	ISO 62	%	0.01
Maximum permissible service temperature	-	-	-
Upper temperature limit	-	°C	100
Lower temperature limit	-	°C	5
Tensile strength at yield	ISO 527	MPa	33
Elongation at yield	ISO 527	%	14
Tensile strength at break	ISO 527	MPa	-
Elongation at break	ISO 527	%	>50
Impact strength	ISO 179	kJ/m ²	No break
Notch impact strength	ISO 179	kJ/m ²	13
Ball indentation / Rockwell hardness	ISO 2039-1	MPa	71
Shore D	DIN 53505	-	70
Flexural strength	ISO 178	MPa	-
Modulus of elasticity	ISO 527	MPa	1450
Vicat softening point VST/B/50	ISO 306	°C	83
VST/A/50	-	°C	-
Heat deflection temperature HDT/B	ISO 75	°C	95
HDT/A	-	°C	-
Coefficient of linear thermal expansion	DIN 53752	K ⁻¹ *10 ⁴	1.5
Thermal conductivity	-	W/(m*K)	0.22
Volume resistivity	VDE 0303	Ω*cm	>10 ¹⁶
Surface resistivity	-	Ω	≥10 ¹⁶
Dielectric constant at 1MHz	-	-	2.3
Dielectric loss factor at 1MHz	DIN 53483	-	0.0002
Dielectric strength	VDE 0303	kV/mm	-
Tracking resistance	IEC 60112	-	KB>600
Bond ability	-	-	Fair
Friction coefficient	DIN 53375	-	0.3
Flammability	UL 94	-	HB
UV stabilisation	-	-	Fair

Bay Plastics Ltd, Unit H1 High Flatworth, Tyne Tunnel Trading Estate, North Shields, Tyne & Wear, NE29 7UZ

Tel: 0191 2580777

Fax: 0191 2581010

Email: sales@bayplastics.co.uk

www.bayplastics.co.uk

www.plasticstockist.com